

Name	n	Definition
arwhead	300	$\sum_{i=1}^{n-1} (-4x_i + 3) + (x_i^2 + x_n^2)^2$
bdqrtic	200	$\sum_{i=1}^{n-4} (-4x_i + 3)^2 + (x_i^2 + 2x_{i+1}^2 + 3x_{i+2}^2 + 4x_{i+3}^2 + 5x_n^2)^2$
cube	400	$\sum_{i=2}^n 100(x_i - x_{i-1}^3)^2$
diag1	250	$\sum_{i=1}^n e^{x_i} - ix_i$
dixonprice	200	$\sum_{i=2}^n i(2x_i^2 - x_{i-1})^2$
edensch	300	$\sum_{i=1}^{n-1} (x_i - 2)^4 + (x_i x_{i+1} - 2x_{i+1})^2 + (x_{i+1} + 1)^2$
eg2	400	$\frac{1}{2} \sin^2 x_n + \sum_{i=1}^{n-1} \sin(x_1 + x_i^2 - 1)$
explin2	200	$-10nx_n + \sum_{i=1}^{n-1} \exp(\frac{ix_i x_{i+1}}{10n}) - 10ix_i$
fletchcr	400	$\sum_{i=2}^n \frac{1}{2} (x_i - x_{i-1} + 1 - x_{i-1}^2)^2$
genhumps	250	$\sum_{i=1}^{n-1} \sin^2(2x_i) \sin^2(2x_{i+1}) + \frac{1}{20} (x_i^2 + x_{i+1}^2)$
indef	250	$\sum_{i=2}^{n-1} \frac{1}{2} \cos(2x_i - x_n - x_1)$
mccormick	400	$\sum_{i=1}^{n-1} \frac{5}{2} x_{i+1} - \frac{3}{2} x_i + 1 + (x_i - x_{i+1})^2 + \sin(x_i + x_{i+1})$
raydan1	400	$\frac{1}{10} \sum_{i=1}^n i(e^{x_i} - x_i)$
rosenbrock	300	$\sum_{i=1}^{n-1} (x_{i+1} - x_i^2)^2 + (1 - x_i)^2$
sine	400	$\sum_{i=1}^{n-1} \sin(-\frac{1}{2} x_{i+1} + x_i^2)$
sinquad	400	$(x_1 - 1)^4 + (x_n^2 - x_1^2) + \sum_{i=2}^{n-1} (\sin(x_i - x_n) - x_1^2)^2$
tointgss	200	$\sum_{i=1}^{n-2} (\frac{10}{n+2} + x_{i+2}^2) (2 - \exp(\frac{-(x_i - x_{i+1})^2}{0.1 + x_{i+2}^2}))$
trid	200	$(x_1 - 1)^2 + \sum_{i=2}^n (x_i - 1)^2 - x_i x_{i-1}$
whiteholst	300	$\frac{1}{10} \sum_{i=1}^{n-1} (x_{i+1} - x_i^3)^2 + (1 - x_i)^2$

Table 1: Benchmark Functions